BRUHAT BENGALURU MAHANAGARA PALIKE

Name of work:- Improvements of roads,Drains and other allied works at F Block Sahakaranagara and surrounding area in ward No. 9 Hebbal kempapura.

Estimate Cost Rs. 20000000.00

Sl No	Description	Unit	No	Dimensions L	Dimensions B	Dimensions D	Qty	Rate	Amount
1	2	3	4	5	6	7	8	9	10
1	Removing and resetting of footpath slab (Approved arrival rate).	Sqm							
	17th Main Road F Block		2	170.00	0.90	--	306.00		
	16th Main Road F Block		2	140.00	0.90	--	252.00		
	15th Main Road F Block		2	240.00	0.90	--	432.00		
	18th Main Road F Block		2	210.00	0.90	--	378.00		
	11th Cross Road 13th Main E Block		2	64.00	0.90	--	115.20		
	10th Cross Road 13th Main E Block		2	60.00	0.90	--	108.00		
	9th Cross Road 13th Main E Block		2	138.00	0.90	--	248.40		
	9th A Cross Road 13th Main E Block		2	112.00	0.90	--	201.60		
	8th Cross Road 13th Main E Block		2	107.00	0.90	--	192.60		
	7th Cross Road 13th Main E Block		2	90.00	0.90	--	162.00		
						Sub-Total	2395.80		
	Deduct 15% Missing Slabs					0.15	359.37		
						Sub-Total A	2036.43		
	14th Main Road								
			1	700.00	1.20	--	840.00		
			1	740.00	1.20	--	888.00		
						Sub-Total	1728.00		
	Deduct 40% Missing Slabs					0.40	691.20		
						Sub-Total B	1036.80		
	Culverts								
			5	5.50	1.50	--	41.25		
						Sub-Total	41.25		
	Deduct 20% Missing Slabs					0.20	8.25		
						Sub-Total C	33.00		
						Total A+B+C	3106.23	235.00	729964.00
	Data Rate	235.00							
2	Removing and resetting of kerb stone (Approved arrival rate).	Rmtr							
	14th Main Road								
			1	200.00			200.00		
			1	740.00			740.00		
						Sub-Total	940.00		
	Deduct 25% Missing Kerbs					0.25	235.00		
						Total	705.00	118.00	83190.00
	Data Rate	118.00							
3	Dismantling of cement concrete pavement by echanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at esignated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately Ref. to MoRT&H Spec 202 Page No. 12 / Item No. 2.19 PWD SR 2023-24 Vol.III	Cum							
	Culverts Slab								
			5	8.00	1.80	0.20	14.40		
						Total	14.40	619.30	8918.00
	Basic Rate	563.00							
	Area Waeightage @ 10%	56.30							
	Total Rate	619.30							

Sl No	Description	Unit	No	Dimensions L	B	D	Qty	Rate	Amount
1	2	3	4	5	6	7	8	9	10
4	Earth work excavation by manual means for drains,canals, waste weir draft, approach channels, key trench, foundation of Bridges and such similar works, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, excavated surface leveled and sides neatly dressed disposing off or leveling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work. In ordinary/soft rock without blasting upto 1.5 m depth (Item No 1.4.1 (Vol-I) Page No 5). PWD SR 2023-24 Vol.I	Cum							
	Drain Desilting								
	17th Main Road F Block		2	170.00	0.60	0.45	91.80		
	16th Main Road F Block		2	140.00	0.60	0.45	75.60		
	15th Main Road F Block		2	240.00	0.60	0.45	129.60		
	18th Main Road F Block		2	210.00	0.60	0.45	113.40		
	11th Cross Road 13th Main E Block		2	64.00	0.60	0.45	34.56		
	10th Cross Road 13th Main E Block		2	60.00	0.60	0.45	32.40		
	9th Cross Road 13th Main E Block		2	138.00	0.60	0.45	74.52		
	9th A Cross Road 13th Main E Block		2	112.00	0.60	0.45	60.48		
	8th Cross Road 13th Main E Block		2	107.00	0.60	0.45	57.78		
	7th Cross Road 13th Main E Block		2	90.00	0.60	0.45	48.60		
	14th Main Road								
			1	700.00	0.60	0.60	252.00		
	Culverts		1	740.00	0.60	0.60	266.40		
			5	5.50	0.80	0.60	13.20		
	Culverts		5	8.00	0.80	0.60	19.20		
						Total	**1269.54**	**266.20**	**337952.00**
	Basic Rate	**242.00**							
	Area Waeightage @ 10%	24.20							
	Total Rate	**266.20**							
5	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (PWD SR 2023-24 Vol -II,Pg No.17,Item No 6.33)	Cum							
	Flaging Cource								
	14th Main Road								
			2	594.00		0.20	237.60		
			2	400.00		0.20	160.00		
						Total	**397.60**	**1354.10**	**538390.00**
	Basic Rate	**1231.00**							
	Area Waeightage @ 10%	123.10							
	Total Rate	**1354.10**							
6	Providing ruled pointing to cursed stone masonry with lime mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost all materials, labour, usage charges of machinery, curing complete as pre specification. Item No. 21.10 Page No. 214, Vol - II PWD SR 2023-24	Sqm							
	Flaging Cource								
	14th Main Road								
			1	700.00		0.60	420.00		
			1	740.00		0.60	444.00		

Sl No	Description	Unit	No	Dimensions			Qty	Rate	Amount
				L	B	D			
1	2	3	4	5	6	7	8	9	10
						Total	864.00	328.90	284170.00
	Basic Rate	**299.00**							
	Area Waeightage @ 10%	29.90							
	Total Rate	**328.90**							
7	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) **Mix 1:3:6 (M10)** Using 20 mm nominal size graded crushed coarse aggregates (Item No 2.1.4 (Vol-I) Page No 15,PWD SR 2023-24								
	Copping Concrete	**Cum**							
	17th Main Road F Block		4	170.00	0.20	0.10	13.60		
	16th Main Road F Block		4	140.00	0.20	0.10	11.20		
	15th Main Road F Block		4	240.00	0.20	0.10	19.20		
	18th Main Road F Block		4	210.00	0.20	0.10	16.80		
	11th Cross Road 13th Main E Block		4	64.00	0.20	0.10	5.12		
	10th Cross Road 13th Main E Block		4	60.00	0.20	0.10	4.80		
	9th Cross Road 13th Main E Block		4	138.00	0.20	0.10	11.04		
	9th A Cross Road 13th Main E Block		4	112.00	0.20	0.10	8.96		
	8th Cross Road 13th Main E Block		4	107.00	0.20	0.10	8.56		
	7th Cross Road 13th Main E Block		4	90.00	0.20	0.10	7.20		
	14th Main Road								
			2	700.00	0.20	0.10	28.00		
			2	740.00	0.20	0.10	29.60		
	Vent way Concrete								
	14th Main Road								
			1	425.00	0.60	0.10	25.50		
			1	400.00	0.60	0.10	24.00		
	Culverts								
			10	5.50	0.20	0.10	1.10		
	Ramp for Culvert								
			10	5.50	1.00	0.20	11.00		
	Culverts								
			10	8.00	0.20	0.10	1.60		
	Ramp for Culvert								
			10	8.00	1.00	0.20	16.00		
						Total	243.28	6838.70	1663719.00
	Basic Rate	**6217.00**							
	Area Waeightage @ 10%	621.70							
	Total Rate	**6838.70**							
8	Providing and laying 100mm thick pre-cast cover slabs over Road side drains / utility ducts / Rain water harvesting pit of width not exceeding 1000 mm using M20 concrete reinforced with TMT bars Fe 550 @ 6kg/m2, slabs jointed in CM 1:3 proportion and nicely finished Including providing hcles in the Cover slabs wherever necessary for easy drain age of urface water including of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete.(Item No 17.14 (Vol-II) Page No 177,of PWD SR 2023-24								
	New CC Slabs - 100mm	**Sqm**							
	Qty vide item No. 1 take for Missing/damaged Slabs		1	1050.57	--	--	1050.57		
						Total	1050.57	1287.00	1352084.00

Sl No	Description	Unit	No	Dimensions			Qty	Rate	Amount
				L	B	D			
1	2	3	4	5	6	7	8	9	10
	Basic Rate	**1170.00**							
	Area Waeightage @ 10%	117.00							
	Total Rate	**1287.00**							
9	Providing and fixing **230mm thick** pre cast reinforced concrete slab as per design and drawing material cost, transportation, hire charges of machinery complete with all lead and lift conveyance charges labour charges inclusive of cost of all materials(As per data rate)	**Sqm**							
	New CC Slabs - 230mm								
	Qty vide item No. 1 take 20% for missing/damaged Slabs		1	8.25	--	--	8.25		
	Culverts								
			5	8.00	1.80		72.00		
						Total	**80.25**	**5037.00**	**404219.00**
	Data Rate	**5037.00**							
10	Providing and fixing **pre cast solid** cement concrete **kerb stones** made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as directed by the Engineer in Charge of the work (excluding GST and Area Leading Charges) (Data Rate).	**Nos**							
	New Kerb Stones								
	Qty vide item No. 2 take 25% for missing/damaged Kerbs		1	235.00	--	--	235.00		
						0.45	**522.22**		
						Total	**522.22**	**507.00**	**264767.00**
	Data Rate	**507.00**							
11	Painting **two coats** after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces(Item No 8.10 (Vol-III) Page No 66).PWD SR 2023-24	**Sqm**							
	14th Main Road								
			1	200.00		0.35	70.00		
			1	740.00		0.35	259.00		
						Total	**329.00**	**119.90**	**39447.00**
	Basic Rate	**109.00**							
	Area Waeightage @ 10%	10.90							
	Total Rate	**119.90**							
12	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work ((V-I, P.No-8, I No-1.12 of PWD SR 2023-24)	**Cum**							
	For Road								
	17th Main Road F Block		1	170.00	6.00	0.20	204.00		
	16th Main Road F Block		1	140.00	6.00	0.20	168.00		

Sl No	Description	Unit	No	Dimensions			Qty	Rate	Amount
				L	B	D			
1	2	3	4	5	6	7	8	9	10
	15th Main Road F Block		1	240.00	6.00	0.20	288.00		
	18th Main Road F Block		1	210.00	6.00	0.20	252.00		
	8th Cross Road 13th Main E Block		1	107.00	4.60	0.20	98.44		
	7th Cross Road 13th Main E Block		1	90.00	5.40	0.20	97.20		
	6th Cross Road 13th Main E Block		1	50.00	5.40	0.20	54.00		
	14th Main Road		1	780.00	7.80	0.20	1216.80		
	10th cross 15th mian F Block		1	313.00	6.50	0.20	406.90		
						Sub Total	**2785.34**		
	Consider 15% Road Damage					0.15	417.80		
						Total	**417.80**	**104.50**	**43660.00**
	Basic Rate	**95.00**							
	Area Waeightage @ 10%	9.50							
	Total Rate	**104.50**							
13	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying inuniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. (PWD SR 2023-24, Item No 4.27 (Vol-III) Page No 24).	**Cum**							
	For Road								
	17th Main Road F Block		1	170.00	6.00	0.15	153.00		
	16th Main Road F Block		1	140.00	6.00	0.15	126.00		
	15th Main Road F Block		1	240.00	6.00	0.15	216.00		
	18th Main Road F Block		1	210.00	6.00	0.15	189.00		
	8th Cross Road 13th Main E Block		1	107.00	4.60	0.15	73.83		
	7th Cross Road 13th Main E Block		1	90.00	5.40	0.15	72.90		
	6th Cross Road 13th Main E Block		1	50.00	5.40	0.15	40.50		
	14th Main Road		1	780.00	7.80	0.15	912.60		
	10th cross 15th mian F Block		1	313.00	6.50	0.15	305.18		
						Sub Total	**2089.01**		
	Consider 15% Road Damage					0.15	313.35		
						Total	**313.35**	**2814.90**	**882051.00**
	Basic Rate	**2559.00**							
	Area Waeightage @ 10%	255.90							
	Total Rate	**2814.90**							
14	Providing and applying **primer coat** with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means.(PWD SR 2023-24, Item No 5.1 Page No 31 Vol - III)	**Sqm**							
	For Road								
	17th Main Road F Block		1	170.00	6.00		1020.00		
	16th Main Road F Block		1	140.00	6.00		840.00		
	15th Main Road F Block		1	240.00	6.00		1440.00		
	18th Main Road F Block		1	210.00	6.00		1260.00		
	8th Cross Road 13th Main E Block		1	107.00	4.60		492.20		
	7th Cross Road 13th Main E Block		1	90.00	5.40		486.00		
	6th Cross Road 13th Main E Block		1	50.00	5.40		270.00		
	14th Main Road		1	780.00	7.80		6084.00		
	10th cross 15th mian F Block		1	313.00	6.50		2034.50		
						Sub Total	**13926.70**		
	Consider 15% Road Damage					0.15	2089.01		
	For Profile Correction								
	17th Main Road F Block		1	170.00	6.00		1020.00		
	16th Main Road F Block		1	140.00	6.00		840.00		
	15th Main Road F Block		1	240.00	6.00		1440.00		

Sl No	Description	Unit	No	Dimensions L	B	D	Qty	Rate	Amount
1	2	3	4	5	6	7	8	9	10
	18th Main Road F Block		1	210.00	6.00		1260.00		
	8th Cross Road 13th Main E Block		1	107.00	4.60		492.20		
	7th Cross Road 13th Main E Block		1	90.00	5.40		486.00		
	6th Cross Road 13th Main E Block		1	50.00	5.40		270.00		
	14th Main Road		1	780.00	7.80		6084.00		
	10th cross 15th mian F Block		1	313.00	6.50		2034.50		
					Sub Total		**13926.70**		
	Consider 15% Road Damage					0.15	2089.01		
						Total	**4178.01**	**45.10**	**188428.00**
	Basic Rate	**41.00**							
	Area Waeightage @ 10%	4.10							
	Total Rate	**45.10**							
15	Providing and laying **Dense Graded Bituminous Macadam** with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects. (PWD SR 2023-24, Vol-III, Page No-35,Item No-5.12C	**Cum**							
	For Road								
	17th Main Road F Block		1	170.00	6.00	0.05	51.00		
	16th Main Road F Block		1	140.00	6.00	0.05	42.00		
	15th Main Road F Block		1	240.00	6.00	0.05	72.00		
	18th Main Road F Block		1	210.00	6.00	0.05	63.00		
	8th Cross Road 13th Main E Block		1	107.00	4.60	0.05	24.61		
	7th Cross Road 13th Main E Block		1	90.00	5.40	0.05	24.30		
	6th Cross Road 13th Main E Block		1	50.00	5.40	0.05	13.50		
	14th Main Road		1	780.00	7.80	0.05	304.20		
	10th cross 15th mian F Block		1	313.00	6.50	0.05	101.73		
					Sub Total		**696.34**		
	Consider 15% Road Damage					0.15	104.45		
	For Profile Correction								
	17th Main Road F Block		1	170.00	6.00	0.05	51.00		
	16th Main Road F Block		1	140.00	6.00	0.05	42.00		
	15th Main Road F Block		1	240.00	6.00	0.05	72.00		
	18th Main Road F Block		1	210.00	6.00	0.05	63.00		
	8th Cross Road 13th Main E Block		1	107.00	4.60	0.05	24.61		
	7th Cross Road 13th Main E Block		1	90.00	5.40	0.05	24.30		
	6th Cross Road 13th Main E Block		1	50.00	5.40	0.05	13.50		
	14th Main Road		1	780.00	7.80	0.05	304.20		
	10th cross 15th mian F Block		1	313.00	6.50	0.05	101.73		
					Sub Total		**696.34**		
	Consider 15% Road Damage					0.15	104.45		
						Total	**208.90**	**10393.90**	**2171291.00**
	Basic Rate	**9449.00**							
	Area Waeightage @ 10%	944.90							
	Total Rate	**10393.90**							
16	Providing and applying **tack coat** with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical means.(PWD SR 2023-24 Vol - III,Pg No. 31, Item No 5.3)	**Sqm**							
	Full Width								
	17th Main Road F Block		1	170.00	6.00		1020.00		
	16th Main Road F Block		1	140.00	6.00		840.00		
	15th Main Road F Block		1	240.00	6.00		1440.00		

Sl No	Description	Unit	No	Dimensions			Qty	Rate	Amount
				L	B	D			
1	2	3	4	5	6	7	8	9	10
	18th Main Road F Block		1	210.00	6.00		1260.00		
	8th Cross Road 13th Main E Block		1	107.00	4.60		492.20		
	7th Cross Road 13th Main E Block		1	90.00	5.40		486.00		
	6th Cross Road 13th Main E Block		1	50.00	5.40		270.00		
	14th Main Road		1	780.00	7.80		6084.00		
	10th cross 15th mian F Block		1	313.00	6.50		2034.50		
						Total	13926.70	13.20	183832.00
	Basic Rate	**12.00**							
	Area Waeightage @ 10%	1.20							
	Total Rate	**13.20**							
17	Providing and laying **Bituminous Concrete** with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects (V-III, P.No.38, I.No.5.16C of PWD SR 2023-24).	Cum							
	Full Width								
	17th Main Road F Block		1	170.00	6.00	0.04	40.80		
	16th Main Road F Block		1	140.00	6.00	0.04	33.60		
	15th Main Road F Block		1	240.00	6.00	0.04	57.60		
	18th Main Road F Block		1	210.00	6.00	0.04	50.40		
	8th Cross Road 13th Main E Block		1	107.00	4.60	0.04	19.69		
	7th Cross Road 13th Main E Block		1	90.00	5.40	0.04	19.44		
	6th Cross Road 13th Main E Block		1	50.00	5.40	0.04	10.80		
	14th Main Road		1	780.00	7.80	0.04	243.36		
	10th cross 15th mian F Block		1	313.00	6.50	0.04	81.38		
						Total	557.07	12049.40	6712335.00
	Basic Rate	**10954.00**							
	Area Waeightage @ 10%	1095.40							
	Total Rate	**12049.40**							
18	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/m2area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes (PWD SR 2023-24,Item No 8.15 Page No 67 Vol -III).	Sqm							
	17th Main Road F Block		2	170.00	0.10		34.00		
	16th Main Road F Block		2	140.00	0.10		28.00		
	15th Main Road F Block		2	240.00	0.10		48.00		
	18th Main Road F Block		2	210.00	0.10		42.00		
	8th Cross Road 13th Main E Block		2	102.00	0.10		20.40		
	7th Cross Road 13th Main E Block		2.5	90.00	0.10		22.50		
	6th Cross Road 13th Main E Block		2.5	49.00	0.10		12.25		
	14th Main Road		2.5	780.00	0.10		195.00		
	10th cross 15th mian F Block		2	313.00	0.10		62.60		
						Total	464.75	583.00	270949.00
	Basic Rate	**530.00**							
	Area Waeightage @ 10%	53.00							
	Total Rate	**583.00**							
19	Loading and Unloading of Stone Boulder / Stone aggregates / Sand / Kankar / Moorum. (Tipper 14 m3) (PWD SR 2023-24 Vol-III Page No.5, Item No.1.1)	Cum							

Sl No	Description	Unit	No	Dimensions L	B	D	Qty	Rate	Amount
1	2	3	4	5	6	7	8	9	10
	Qty Vide Item No. 02		1	1269.54	--	--	1269.54		
	Qty Vide Item No. 06		1	417.80	--	--	417.80		
						Sub Total	1687.34		
	Deduction for Shrinkage 5%		1	--	--	0.05	84.37		
						Total	1602.97	148.50	238042.00
	Basic Rate	135.00							
	Area Waeightage @ 10%	13.50							
	Total Rate	148.50							
20	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km (PWD SR 2023-24 Vol-III Page No.5, Item No.1.4a)	T.Km							
	Qty Vide Item No. 13		1	1602.97	1.28	--	2051.81		
						Total	2051.81	198.00	406258.00
	15Km = 12x15	180.00							
	Basic Rate	180.00							
	Area Waeightage @ 10%	18.00							
	Total Rate	198.00							
								Sub Total	16803666.00
								GST Charges @ 18%	3024659.88
								PMC Charges 1%	168036.66
								Miscellenious and Rounding off	3637.46
								Total Amount	20000000.00
	Two Hundred Lakh rupees only.								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.

2 This estimate is prepared as per PWD SR of 2023-24

3 The provisions were made in this estimate are necessary and adequate.

4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 09
Kempapura

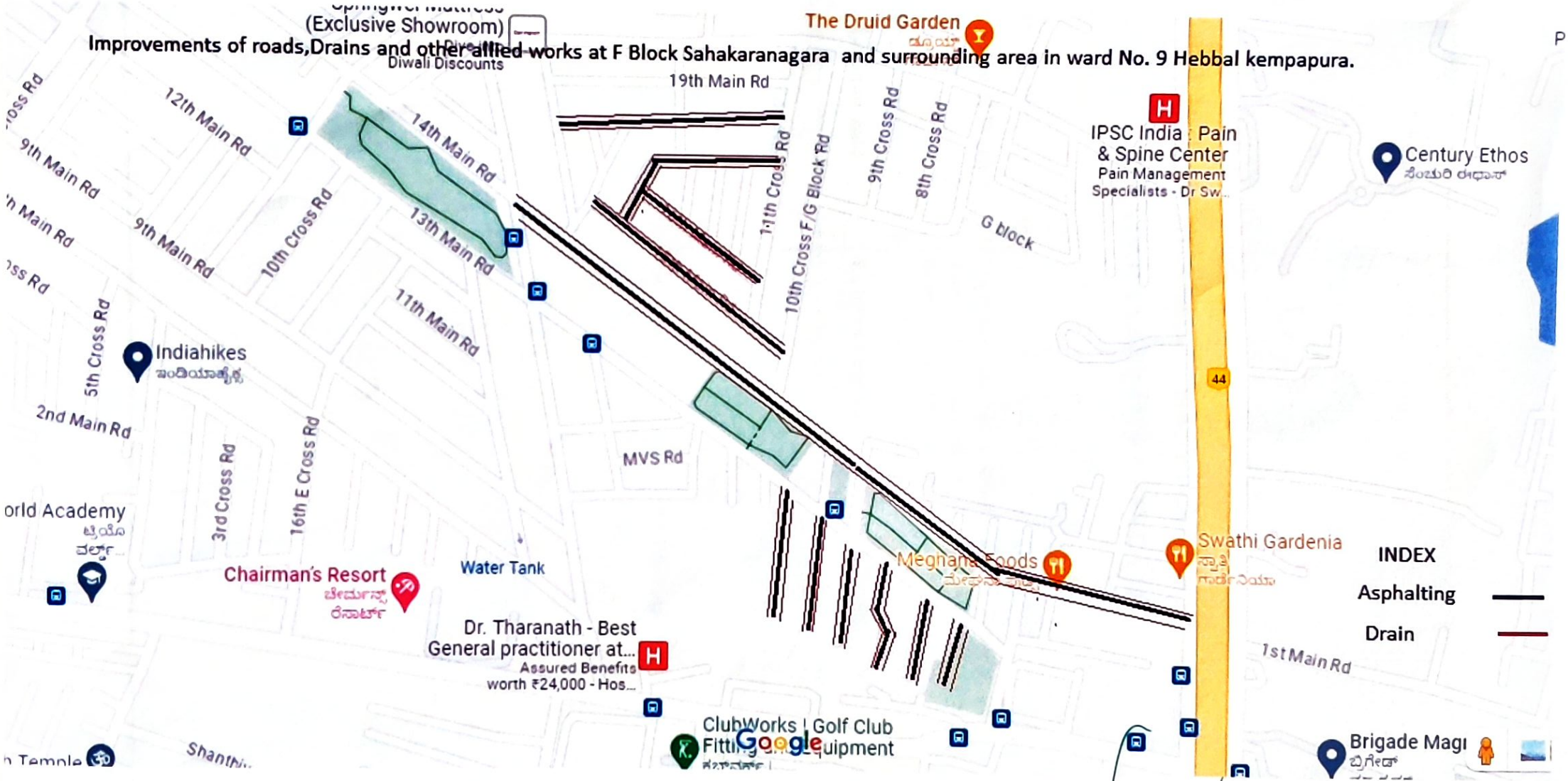
Assistant Executive Engineer
Jodgehalli Sub Division
Bruhat Bangalore Mahanagara Palike

Assistant Executive Engineer,
Rodigehalli Sub Divisio
Yelahanka Zone, B.B.M.P.
Bangalore.

Executive Engineer
Byatarayanapura Division
Bruhat Bangalore Mahanagara Palike

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore-92

Improvements of roads,Drains and other allied works at F Block Sahakaranagara and surrounding area in ward No. 9 Hebbal kempapura.



Assistant Executive Engineer,
Vijigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.